Approved for use through 0 /3 /200 . OMB 0651-0031 Under the Paper. U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Sheet 1

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/765,505				
Filing Date	1/26/2004				
First Named Inventor	Luu, et al.				
Art Unit	2857				
Examiner Name	Not Yet Assigned				
Attorney Docket Number	SPEED POOT				

PTO/SB/08 (0 -03)

U. S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² of Account	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
178	-	US- 5 000 000	44/0/4000		, iguico , ppeui			
as	1	^{US-} 5,982,920	11/9/1999	Tobin, Jr., et al	1 / ~			
al	2	^{US-} 6,407,808	6/18/2002	Yoda, et al.				
al	3	^{US-} 6,466,895	10/15/2002	Harvey, et al.	$\nabla X \wedge \nabla$			
an	4	^{US-} 6,535,776	3/18/2003	Tobin, Jr., et al				
11	K_	US- / / / /	/ ×		5/			
$\angle \Delta X$	X_{\perp}	US- //			/ X- /			
(//)	(X)	US- / / / /			/ / X			
/X	$X \ T$	US-//						
' 1 X	Γλ,	U8 ² / / /						
1/		US-	K />					
X/	12	US- X	/					
1 X	X	US-			× / /			
$X \setminus X$	V	US-						
$\angle \setminus A$	2	USE /	1 1		\times $/$ /			
΄ Λ		US-						
1//	X /	US-	\times 7		<u> </u>			
N X		US- /						
1/	/	US- '			/ / //			
\ <i>[]</i>		US-	/ '	/ // .				

		£ FOREIGN	PATENT DOCU	IMENTS		
Examiner Initials*	niner Cite Foreign Patent Document		Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
·		Country Code ³ Number ⁴ 'Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	To
		1 2 4	1	1 1	\times	
	X			\times \wedge		
<u>/-</u>				$\langle \rangle \rangle$		L
\triangle	_/	XX			\times	
\angle	$ \prec $				$\lambda \lambda \gamma$	Ĺ
		79 6	1	16	1-3//	

Signature Considered *EXAMINER: Initial if released considered, whether or not citation is in conformance with MPEP 609. Draw line through citation of not in conformance and not considered. Include copy of this form with next communication to applicant. 'Applicant's unique citation designation number (optional). 'See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 'Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3), 'For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 'Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 'Applicant is to place a check mark here if English language

Date

Translation is attached.

Examiner

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND Q DÀU ZÊĐ æ TO: Commissioner for Patents, i i úl A

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/08B (0 -03)

Approved for use through 0 /3 /200 . OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known			
00000				Application Number	10/765,505		
INF	ORMATION	DIS	CLOSURE	Filing Date	1/26/2004		
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	Luu, et al.		
				Art Unit	2857		
(Use as many sheets as necessary)			acessary)	Examiner Name	Not Yet Assigned		
Sheet	2	of	2	Attorney Docket Number	SPEED-P001		

Examiner Cite Initials* No.1		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue					
A.	1	number(s), publisher, city and/or country where published. TOBIN, et al., Feature Analysis and Classification of Manufacturing Signatures Based on Semiconductor Wafermaps 12 pages.	X				
	2	TOBIN, et al., Automatic Classification of Spatial Signatures on Semiconductor Wafermaps 11 pages.					
	3	KARNOWSKI, et al., Fuzzy Logic Connectivity in Semiconductor Defect Clustering 10 pages.					
	4	GLEASON, et al., An Integrated Spatial Signature Analysis and Automatic Defect Classification System 8 pages.	Y				
	5	GLEASON, et al., Rapid Yield Learning though Optical Defect and Electrical Test Analysis 11 pages.	X				
	6	TOBIN, et al., An Image Paradigm for Semiconductor Defect Data Reduction 12 pages.	X				
	7	TOBIN, et al., Automated Analysis for Rapid Defect Sourcing and Yeild Learning 15 pages.	X				
	8	TOBIN, et al., Using Historical Wafermap Data for Automated Yeild Analysis 16 pages.	X				
	9	TOBIN, et al., Adaptation of The Fuzzy K-Nearest Neighbor Classifier for Manufacturing Automation 9 pages.	X				
	10	TOBIN, et al., Image Retrieval in the Industrial Environment 9 pages.	K				

Examiner Signature	M	110	M	wenten	Date Consider	ed <i>O(</i>	:/0Cm	Ma	٠
EXAMINER: I	ital if telerence	considered	whether or no	ot citation is in conformance y	with MPEP 609. Draw line t	brough citation if ne	in conform	ance and not	

considered. Include copy of this form with next communication to applicant.

Considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 s to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office.

DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

Commissioner for Patents,